

### PUMP

The Grundfos UPA mini circulator pumps are designed for pressure boosting of domestic potable and hot water supplies with particular applications for showers, taps and water feeds to appliances. Pumps incorporate a flow switch for automatic on demand operation. They are for use in open systems and the option of manual or auto operation can be selected.

Pump construction is stainless steel encapsulated rotor, rotor can and bearing plate, polycarbonate impeller and cast iron pump housing. Pumps are supplied with a female threaded BSP union connection set.

### MOTOR

**UPA 15-90 & 120:** Pumps are fitted with an integral 2-pole asynchronous squirrel-cage motor, that includes a built-in thermal switch which monitors winding temperature and cuts off the power supply in the event of overload. No remote overload protection is required, though the pump must be connected to a suitably rated MCB or fuse.

**UPA 15-160:** Pumps are fitted with a synchronous 4-pole electronically commutated motor with permanent magnet rotor that is energy efficient with proven quality. Pumps must be connected to a suitably rated MCB or fuse

**Power Supply:** 1x240V **Enclosure Class:** IP42-UPA15-90,120 **Insulation Class:** H-UPA15-90  
IPX2D-UPA15-160 F-UPA120/15-160

### OPERATING CONDITIONS

**Pumped liquid:** Thin, clean, chemically non-aggressive liquids without solids, fibres or mineral oils.

**Fluid Temperature Range:** +2°C to +95°C.

**Max. Ambient Temperature:** 40°C

**Max. Operating Pressure:** 10 Bar

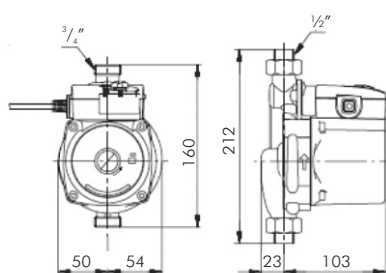
**Min. Inlet Pressure:** 0.2Bar

**Max. Relative Humidity:** 95%

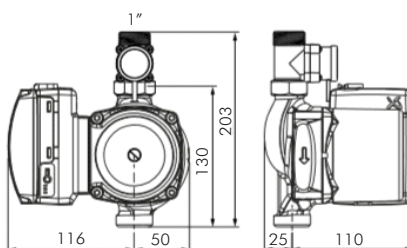
**Installation:** Pumps must be installed with the pump shaft horizontal.

### PUMP DATA

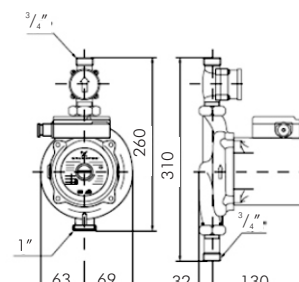
Model	Motor		Weight (kg)
	Power P <sub>1</sub> (W)	Max. Current (A)	
UPA 15-90	120	0.48	2.5
UPA 15-160	180	1.41	2.4
UPA 120	250	1.14	5



UPA 15-90



UPA 15-160



UPA 120

All Dimensions in mm